

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in this application.

Listing of Claims:

1. (Currently Amended) A method for dual ringing of a Centrex line and a wireless extension of the Centrex line using an advanced intelligent telecommunication network comprising a service signal point and a service node, the method comprising:

- (a) receiving a call at a service signal point (SSP) assigned to a Centrex line;
- (b) routing the call from the SSP to a service node coupled with the SSP;

and

(c) with the service node, initiating a first call to a wireless extension of communication device associated with the Centrex line and a second call to the Centrex line; wherein the wireless extension of the Centrex line provides extension dialing when the wireless extension of the Centrex line is within a limited service area defined for a Centrex customer premises area.

2. (Original) The invention of Claim 1 further comprising:

(d) in response to either the first or second call being answered, dropping the other call.

3. (Original) The invention of Claim 1 further comprising:

(d) if neither the first nor second call is answered within a time period, routing the call to a voicemail system associated with the Centrex line.

4. (Currently Amended) The invention of Claim 1 further comprising determining whether the wireless extension of ~~communication device associated with~~ the Centrex line is available, and wherein (c) is performed only if the wireless extension of ~~communication device associated with~~ the Centrex line is available.

5. (Currently Amended) A method for dual ringing of a Centrex line and a wireless extension of the Centrex line using an advanced intelligent telecommunication network comprising a service signal point, a service control point, and a service node, the method comprising:

(a) receiving a call at a service signal point (SSP) assigned to a Centrex line;

(b) suspending processing of the call and launching a query to a service control point (SCP) coupled with the SSP;

(c) in response to the query, determining whether a wireless extension of ~~communication device associated with~~ the Centrex line is available; and

(d) if the wireless extension of ~~communication device associated with~~ the Centrex line is available:

(d1) launching a routing message from the SCP to the SSP instructing the SSP to route the call to a service node coupled with the SSP;

(d2) routing the call from the SSP to the service node; and

(d3) with the service node, initiating a first call to the wireless extension of the Centrex line ~~communication device~~ and a second call to the Centrex line;
wherein the wireless extension of the Centrex line provides extension dialing when the wireless extension of the Centrex line is within a limited service area defined for a Centrex customer premises area.

6. (Original) The invention of Claim 5 further comprising:

(e) in response to either the first or second call being answered, dropping the other call.

7. (Original) The invention of Claim 5 further comprising:

(e) if neither the first nor second call is answered within a time period, routing the call to a voicemail system associated with the Centrex line.

8. (Currently Amended) The invention of Claim 5 further comprising:

(e) if the wireless extension of ~~communication device associated with~~ the Centrex line is not available:

(e1) launching a transmit message from the SCP to the SSP instructing the SSP to transmit the call to the Centrex line; and

(e2) transmitting the call from the SSP to the Centrex line.

9. (Original) The invention of Claim 5, wherein the call received in (a) comprises a destination number assigned to the Centrex line.

10. (Original) The invention of Claim 5 further comprising, prior to (b), detecting a terminating attempt trigger assigned to the Centrex line.
11. (Original) The invention of Claim 5 further comprising, prior to (c), determining whether a dual ringing service is enabled.
12. (Currently Amended) The invention of Claim 5, wherein the wireless extension of the Centrex line ~~communication device~~ is part of a wireless network, and wherein (c) comprises sending a request for availability information of the wireless extension of the Centrex line ~~communication device~~ from the SCP to the wireless network.
13. (Currently Amended) The invention of Claim 5, wherein the wireless extension of the Centrex line ~~communication device~~ is part of a wireless network, and wherein (c) comprises:
- (c1) sending a request for availability information of the wireless extension of the Centrex line ~~communication device~~ from the SCP to a home location register (HLR) in the wireless network; and
 - (c2) sending the availability information from the HLR to the SCP.
14. (Original) The invention of Claim 5, wherein (d3) comprises simultaneously initiating the first and second calls.

15. (Currently Amended) A system for dual ringing of a Centrex line and a wireless extension of the Centrex line, the system comprising:

a service signal point (SSP) assigned to a Centrex line, the SSP operative to receive a call placed to the Centrex line, suspend processing of the call, and launch a query;

a service control point (SCP) coupled with the SSP, the SCP operative to receive the query launched from the SSP and determine whether a wireless extension of communication device associated with the Centrex line is available; and

a service node coupled with the SSP, the service node operative to initiate a first call to the wireless extension of the Centrex line communication device and a second call to the Centrex line in response to the wireless extension of the Centrex line communication device being available;

wherein the wireless extension of the Centrex line provides extension dialing when the wireless extension of the Centrex line is within a limited service area defined for a Centrex customer premises area.

16. (Original) The invention of Claim 15, wherein the service node is further operative to drop the first call in response to the second call being answered and further operative to drop the second call in response to the first call being answered.

17. (Currently Amended) The invention of Claim 15 further comprising a home location register (HLR) coupled with the SCP, wherein the SCP is further operative to determine whether the wireless extension of communication device associated with the Centrex line is available by

sending a request for availability information of the wireless extension of the Centrex line
~~communication device~~ to the HLR.

18. (Currently Amended) A method for dual ringing of a Centrex line and a wireless
extension of the Centrex line, the method comprising:

(a) receiving a call at a switch assigned to a Centrex line;
(b) with a network element separate from the switch, initiating a call to the Centrex
line; and

(c) with the network element separate from the switch, initiating a call to a wireless
extension of ~~communication device associated with~~ the Centrex line;

wherein the wireless extension of the Centrex line provides extension dialing when the
wireless extension of the Centrex line is within a limited service area defined for a Centrex
customer premises area.

19. (Currently Amended) The invention of Claim 18, wherein acts (b) and (c) are performed
in response to the wireless extension of the Centrex line ~~communication device~~ being available.

20. (Original) The invention of Claim 18, wherein acts (b) and (c) are performed
simultaneously.

21. (Original) The invention of Claim 18, wherein the network element comprises a service
node.

22. (Currently Amended) The invention of Claim 18 further comprising dropping the call to one of the Centrex line or the wireless extension of the Centrex line ~~communication device~~ in response to the other answering the call.